



Sprinklers 101 Course Outline

This course is to provide a basic understanding of sprinkler systems and risk assessment. It is specifically geared towards improving the skills of:

- installer sales division;
- insurance or brokers acting as risk assessors
- junior fire consultants;
- project managers;
- risk managers;
- supervising fitters;
- anyone wishing to develop a basic understanding of sprinkler systems;

The course layout is as follows:

Duration	Three Days
Daily Starting Time	09:00
Daily Finish	15:30 - 16:00
Dates	Tuesday, Wednesday and Thursday 29, 30 and 31 March 2022
Cost	R 7,150.00 Excluding VAT

DAY 1

When sprinkler systems are required in terms of the Building codes

Basic operation of a sprinkler system

Product categorisation

Types of sprinklers and their correct application

Interpretation of the storage tables

ASIB

DAY 2

Basic rules of sprinkler spacing

Risk Assessment for sprinkler design requirements

Basic calculation for:

- number of sprinklers in operation
- actual spacing
- average spacing
- starting flow

Spacing of intermediate level (rack and shelf) sprinklers

The effect of intermediate level sprinklers on the water supplies

DAY 3

Effective capacity of storage tanks vs volume of storage tanks

Common errors on tanks and in pump rooms Estimation of water supplies

General Layouts of:

- alarms
- pump auto start arrangement
- life safety bypass arrangement

Pipe support and their correct applications

Sprinkler system maintenance requirements

The online course will be hosted on the Zoom platform and will require:

- A Laptop / Computer
- Webcam
- Microphone
- Internet Connection
- Basic stationary such as paper, pencil and a calculator.

All learning material for the course will be emailed to the registered candidate.